



INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC839-US	Serial No.: 10/590,870
Applicant: FOX et al.	
Filing Date: August 28, 2006	Group: Unassigned
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US PATENT DOCUMENTS

Examiner's Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
A1	US 2003 0068792	04-10-03	Chen et al.	435	006	12/13/01
A2	US 2003 0147874 A1	08-07-03	Schellenberger et al.	424	094.100	12/31/01
A3	US 2003 0100467 A1	05-29-03	Aehle et al.	510	392	09/12/01
A4	4,458,066	07/03/84	Caruthers et al.	536	27	03/23/81
A5	4,522,811	06/11/85	Eppstein et al.	514	2	07/08/82
A6	4,675,187	06/23/87	Konishi et al.	424	117	08/23/85
A7	4,711,845	12/08/87	Gelfand et al.	435	68	12/24/84
A8	4,975,278	12/04/90	Senter et al.	424	94.3	06/29/88
A9	5,711,944	01/27/98	Gilbert et al.	424	85.7	11/10/94
A10	5,766,883	06/16/98	Ballance et al.	435	69.7	11/17/93
A11	5,773,435	06/30/98	Kadow et al.	540	222	02/09/93
A12	5,843,440	12/01/98	Pouletty et al.	424	133.1	08/14/96
A13	6,537,988	03/25/03	Lee	514	221	03/26/01
A14	6,835,550	12/28/04	Estell et al.	435	7.24	04/15/98

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Document Number	Date	Country	Class	Sub-Class	Translation Yes/No
B1	WO 91/01990	02/21/91	PCT			
B2	0 196 864	10/08/96	EP			
B3	WO 00/24782	05/04/00	PCT - Note: 435 pages of sequence listings have not been included.			
B4	WO 02/47717 A2	06/02/02	PCT			
B5	WO 03/055527 A2	12/23/02	PCT			
B6	WO 03/105757 A2	12/24/03	PCT			
B7	WO 05/058236 A2	06/30/05	PCT			

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OTHER DOCUMENTS

Examiner's Initials	Author, Title, Date, Pertinent Pages, etc.
C1	Altschul et al., "Basic Local Alignment Search Tool," <i>J. of Molecular Biology</i> , Vol. 215, pp. 403-410, 1990
C2	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Res.</i> , Vol. 25, No. 17, pp. 3389-3402, 1997
C3	Ausubel et al., eds., <i>Current Protocols in Molecular Biology</i> , Vol. I, Green Publishing Associates, Inc. and John Wiley & Sons, Inc., New York, p. 2.10.1-16 (1989).
C4	Bagshawe et al., "Developments with targeted enzymes in cancer therapy," <i>Current Opinion in Immunology</i> , Vol. 11, pp. 579-83, 1999.
C5	Beaucage et al., "Deoxynucleoside Phosphoramidites-A new Class of Key Intermediates for Deoxypolynucleotide Synthesis," <i>Tetrahedron Lett.</i> , Vol. 22, pp. 1859-1862, 1981.
C6	Benito et al., "Insertion of a 27 amino acid viral peptide in different zones of <i>Escherichia coli</i> β -galactosidase: Effect on the enzyme activity," <i>FEMS Microbiology Letters</i> , Vol. 123, pp. 107-112, 1994
C7	Bolivar et al., "Construction and Characterization of New Cloning Vehicles," <i>Gene</i> , Vol. 2, pp. 95-113, 1977
C8	Broach, J.R., "Construction of High Copy Yeast Vectors using 2- μ m Circle Sequences," <i>Meth. In Enzymology</i> , Vol. 101, pp. 307-324, 1983
C9	Brown et al., "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," <i>Meth. Enzymol.</i> , Vol. 68, pp. 109-151, 1979
C10	Christofidou-Solomidou et al., "Immunotargeting of glucosooxidase to endothelium in vivo causes oxidative vascular injury in the lungs," <i>Am. J. Physiol. Lung Cell. Mol. Physiol.</i> , Vol. 278, pp. L794-L805, 2000
C11	Clarke et al., "Selection Procedure for isolation of Centromere DNAs from <i>Saccharomyces cerevisiae</i> ," <i>Meth. In Enz.</i> , Vol. 101, pp. 300-307, 1983
C12	Clewell et al., "Supercoiled Circular DNA-Protein Complex in <i>Escherichia Coli</i> : Purification and Induced Conversion to an Open Circular DNA Form," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 62, pp. 1159-1166, 1969
C13	Clewell, J., "Nature of Col E ₁ Plasmid Replication in <i>Escherichia coli</i> in the Presence of Chloramphenicol," <i>Bacteriol.</i> , Vol. 110, pp. 667-675, 1972
C14	Cohen et al., "Nonchromosomal Antibiotic Resistance in Bacteria: Genetic Transformation of <i>Escherichia coli</i> by R-Factor DNA," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 69, pp. 2110-2114, 1972
C15	Denny, "Prodrug strategies in Cancer Therapy", <i>Eur. J. Med. Chem.</i> , 36:577-95 (2001).
C16	Depicker et al., "Nopaline synthase: Transcript Mapping and DNA Sequence," <i>J. Mol. Appl. Gen.</i> , Vol. 1, pp. 561-573, 1982
C17	Fiers et al., "Complete nucleotide sequence of SV40 DNA," <i>Nature</i> , Vol. 273, pp. 113-120, 1978
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OTHER DOCUMENTS

Examiner's Initials	Author, Title, Date, Pertinent Pages, etc.
C18	Gold et al., "Demonstration of Tumor-Specific antigens in human colonic carcinomata by immunological tolerance and absorption techniques ", <i>J. Exp. Med.</i> , 121:439-462 (1965).
C19	Goeddel et al., "Synthesis of human fibroblast interferon by E. Coli," <i>Nuc. Acids Res.</i> , Vol. 8, pp. 4057-4075, 1980
C20	Goodchild, J., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of Their Synthesis and Properties," <i>Bioconjugate Chemistry</i> , Vol. 1, No. 3, pp. 165-187, 1990
C21	Hefta et al., "Kinetic and affinity constants of epitope specific anti-carcinoembryonic antigen (CEA) monoclonal antibodies for CEA and engineered CEA domain constructs," <i>Immunotechnology</i> , 4:49-57, (1998)
C22	Hess et al., "Cooperation of Glycolytic Enzymes," <i>J. Adv. Enzyme Reg.</i> , Vol. 7, pp. 149-167, 1968
C23	Hitzeman et al., "Isolation and Characterization of the Yeast 3-Phosphoglycerokinase Gene (PGK) by an Immunological Screening Technique," <i>J. Biol. Chem.</i> , 255:2073 (1980).
C24	Holland et al., "Isolation and Identification of Yeast Messenger Ribonucleic Acids Coding for Enolase, Glyceraldehyde-3-phosphate Dehydrogenase, and Phosphoglycerate Kinase," <i>Biochemistry</i> , Vol. 17, pp. 4900-4907, 1978
C25	Holland et al., "The Primary Structures of Two Yeast Enolase Genes, <i>J. Biol. Chem.</i> , Vol. 256, No. 3, pp. 1385-1395, 1981
C26	Houghton et al., "Mouse monoclonal IgG3 antibody detecting GD3 ganglioside: A phase 1 trial in patients with malignant melanoma", <i>Proc. Natl. Acad. Sci. USA</i> , 82:1242-1246 (1985).
C27	Hsiao et al., "High-Frequency transformation of yeast by plasmids containing the cloned yeast ARG4 gene," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 76, No. 8, pp. 3829-3833, 1979
C28	Kerr et al., "Development and Activities of a New Melphalan Prodrug Designed for Tumor-Selective Activation ", <i>Bioconjugate Chem.</i> , 9:255-259 (1998).
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C29	Levy et al., "Biological and clinical implications of lymphocyte hybridomas: Tumor therapy with monoclonal antibodies, ", <i>Ann. Rev. Med.</i> , 34:107-116 (1983).
C30	Margolin et al., "Substrate Specificity of Penicillin Smidase From <i>E. coli</i> ," <i>Biochim. Biophys. Acta.</i> , Vol. 616, pp. 283-89, 1980
C31	Maxam et al., "Sequencing End-Labeled DNA with Base-Specific Chemical Cleavages, <i>Methods in Enzymology</i> , Vol. 65, pp. 499-560, 1980
C32	McDonagh et al., "Improved Yield and Stability of L49-sFv-beta-Lactamase a Single-Chain Antibody Fusion Protein for Anticancer Prodrug Activation, by Protein Engineering, <i>Bioconjugate Chem.</i> , 14, 860-869, 2003
C33	Messing et al., "A system for shotgun DNA sequencing," <i>Nuc. Acids Res.</i> , Vol. 9, pp. 309-321, 1981
C34	Meyer et al., "Site-Specific Prodrug Activation by Antibody-beta-Lactamase Conjugates: Preclinical Investigation of the Efficacy and Toxicity of Doxorubicin Delivered by Antibody Directed Catalysis," <i>American Chemical Society</i> , V.6, N.4 pp. 440-446, (1995)
C35	Miller et al., " An Insect Baculovirus Host-Vector System for High-Level Expression of Foreign Genes," <i>Genetic Engineering</i> , 1986, Setlow et al., Eds., Plenum Publishing, Vol. 8, pp. 227-97
C36	Napier et al., "Antibody-directed Enzyme Prodrug Therapy : Efficacy and Mechanism of Action in Colorectal Carcinoma", <i>Clin. Cancer Res.</i> , 6:765-772 (2000).
C37	Napolitano et al., "Glubodies: randomized libraries of glutathione transferase enzymes," <i>Chem. Biol.</i> , Vol. 3, pp. 359-367, 1996
C38	Narang et al., "Improved Phosphotriester Method for the Synthesis of Gene Fragments," <i>Meth. In Enzymol.</i> , Vol. 68, pp. 90-99, 1979
C39	Neumaier et al., "Cloning of the Genes for T84.66, an antibody that has a high specificity and affinity for carcinoembryonic antigen, and expression of chimeric human/mouse T84.66 genes in myeloma and Chinese hamster ovary cells," " <i>Cancer Research</i> , 50:2128-2134 (1990).
C40	Niculescu-Duvaz et al., "Prodrugs for antibody- and gene-directed enzyme prodrug therapies (ADEPT and GDEPT)," <i>Anticancer Drug Des.</i> , Vol. 14, pp. 517-538, 1999
C41	Sambrook et al, Eds. <i>Molecular Cloning: A Laboratory Manual</i> , 2d Ed., Cold Spring Harbor Laboratory Press, pp. 9.47-57, and Chapter 15.51, 1989

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C42	Sanger et al., "DNA sequencing with chain-terminating inhibitors," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 74, No. 12, pp. 5463-5467, 1977
C43	Sears et al., "Effects of Monoclonal Antibody Immunotherapy on Patients with Gastrointestinal Adenocarcinoma", <i>J. Biol. Resp. Modifiers</i> , 3:138-150 (1984).
C44	Shaw et al., "A general method for the transfer of cloned genes to plant cells," <i>Gene</i> , Vol. 23, pp. 315-330, 1983
C45	Shimatake et al., "Purified λ regulatory protein cII positively activates promoters for lysogenic development," <i>Nature</i> , Vol. 292, pp. 128-132 1981
C46	Smith et al., "Protein Loop Grafting to Construct a Variant of Tissue-type Plasminogen Activator that Binds Platelet Integrin alpha IIb beta3 ", <i>J. Biol. Chem.</i> , 270:30486 (1995).
C47	Smith et al., "Toward Antibody-directed Enzyme Prodrug Therapy with the T268G Mutant of Human Carboxypeptidase A1 and Novel in Vivo Stable Prodrugs of Methotrexate", <i>J. Biol. Chem.</i> , 272:15804-15816 (1997).
C48	Solingen et al., "Fusion of Yeast Spheroplasts ", <i>J. Bact.</i> , 130:2, pp.946-947 (1977).
C49	Stella et al., "Prodrugs: A Chemical Approach to Targeted Drug Delivery," <i>Directed Drug Delivery</i> , R. Borchardt et al, Eds., pp. 247-67, Humana Press, 1985
C50	Stickler, M. et al., "Human Population-based Identification of CD4 ⁺ T-Cell Peptide Epitope Determinants," <i>Journal of Immunological Methods</i> , 281:95-108 (2003).
C51	Stinchcomb et al., "Isolation and characterization of a yeast chromosomal replicator," <i>Nature</i> , Vol. 282, pp. 39-43, 1979
C52	Thomson et al., "Version 2000 : the new beta-lactamases of Gram-negative bacteria at the dawn of the new millenium", <i>Microbes and Infection</i> , 2:1225-1235 (2000).
C53	Tschumper et al., Sequence of a yeast DNA fragment containing a chromosomal replicator and the TRP1 gene, " <i>Gene</i> , Vol. 10, 157-166, 1980
C54	Trouet et al., "A covalent linkage between daunorubicin and proteins that is stable in serum and reversible by lysosomal hydrolases, as required for a lysosomotropic drug-carrier conjugate: <i>In vitro</i> and <i>in vivo</i> studies," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 79, pp. 626-629, 1982
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C55	Umemoto et al., "Preparation and invitro cytotoxicity of a methotrexate-anit-MM46 monoclonal antibody conjugate via an oligopeptide spacer," ", <i>Int. J. Cancer</i> , 43:677 (1989).
C56	Wilman, "Prodrugs in Cancer Chemotherapy," <i>biochemical society Transactions</i> , 14:375-382 (615 th Meeting Belfast 1986).
C57	Wu et al., "Tumur localization of anti-CEA single-chain Fvs: improved targeting by non-covalent dimers, <i>Immunotechnology</i> , V2, pp. 21-36, 1996
C58	Xu et al., "Strategies for Enzyme/Prodrug Cancer Therapy", <i>Clinical. Cancer Res.</i> , 7:3314-3324 (2001).
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